WAUX radio am / fm
330 WISCONSIN AVE. • WAUKESHA, WISCONSIN • LIBERTY 2-6636
BROADWAY 2-4311

March 27, 1963

Mr. Ernest J. Wesolowski
1416 Pasadena Avenue
Omaha 7, Nebraska

Dear Mr. Wesolowski:

Thank you very much for your fine reception report dated February 25, 1963.

We would like to tell a little of our history and operation which may be of interest to you. WAUX began broadcasting on March 26, 1947 and operated with 250 watts carrier power (non-directional) until September 1, 1961 when we began regular programming with 10kw. We use a Collins 21M transmitter in this installation. Our audio equipment at the transmitter consists of a program controlled expander/compressor amplifier similar to the WLW automatic amplifier with modifications. This is followed by a Symmetra-peak unit in cascade with an instantaneous action peak limiter of our own design which feeds the transmitter. This system allows us to maintain an extremely high average modulation level, flat 30cy to 12kc with less than 2% overall harmonic distortion studio to antenna, and without pumping or increase in noise level during absence of program. Our transmitter plant and three tower in-line radiating system is located ten miles southwest of Milwaukee. Our directional pattern is reproduced on the reverse side of this letter. We are radiating approximately 1000 watts in your direction.

We are pleased to confirm your report of our signals during the period 0259 to 0311 CST on February 25, 1963.

Very truly yours,

RADIO STATION WAUX

Adin E. Randall

Adin E. Randall
Chief Engineer

AER:tz